

AMENDMENTS

In the Specification:

Please replace the specification with the substitute specification attached herewith.

In the Claims:

Please cancel claims 10, 11 and 17.

Please amend the claims as follows.

1. (Amended) A dual signaling channel telephone system, comprising:

a wired signaling channel including a telephone central office and a telephone set to place and receive wire-line telephone calls; and

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a wireless signaling channel including a central platform, the central platform receiving messages from a message generator independently operated from the telephone system and generating a radio frequency signal to broadcast the messages to a receiver-detector in each telephone set, wherein the messages are not related to control and program signaling of the telephone set, and wherein the wired signaling channel and the wireless signaling channel are used for the calls and the messages and are configured to operate during the same communication.

7.(Amended) A dual signaling channel telephone system, comprising:

a network receiving messages from message generators;

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a central platform broadcasting coded messages over a wireless channel based on the messages generated by the message generators, the message generators operating independently from the telephone system; and

a receiver-detector receiving the coded messages and generating a signal to activate a signaling device with a telephone operated over a wired channel for communication, wherein

the messages are not related to control and program signaling of the telephone set, and the wired signaling channel and the wireless signaling channel are used for communication of the signal and the messages and may operate during the same communication.

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12. (Amended) A dual signal channel telephone system for use in a telephony network, comprising:

a receiver to detect incoming RF signals and receive messages when the detected signal is addressed to the receiver; and

an output device to deliver the messages over a wireless channel to the telephone, the telephone communication over a wired channel, and wherein the wired channel and the wireless channel are used for the signals and the messages and may operate during the same communication.

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14. (Amended) A method of delivering messages to a telephone in a dual signaling channel telephone network, comprising:

broadcasting a message in a coded format over a wireless channel having been received from a message generator via the network, the message generator operated independently from the telephone network; and

receiving the message and generating a signal to activate a signaling device coupled with the telephone in order to alert a user of the telephone that a message is present, the telephone operated over a wired channel for communication, and wherein the wired channel and the wireless channel are used for the signals and the messages and may operate during the same communication.

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16. (Amended) A method of communication over a dual signaling channel telephone system, comprising:

receiving messages from message generators;

broadcasting coded messages over a wireless channel based on the messages generated by the message generators; and

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generating a signal based on the coded messages to activate a signaling device coupled with a telephone, the telephone operated over a wired channel for communication, wherein the messages are not related to control and program signaling of the telephone, and wherein the wired signaling channel and the wireless signaling channel are used for the signals and the messages and may operate during the same communication.

Please add the following new claims.

18. (New) A dual signaling channel system, comprising:

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a central platform connected to communications and data networks to receive messages addressed to system subscribers and to send messages generated from the system subscribers, the central platform providing access to a database that stores information defining the subscriber's profile and segmentation groups that apply to subscribers, the central platform connected to radio cells used to convey messages to the subscribers through a wireless channel, and connected to a public switched telephone network through which the central platform sends and receives messages to and from the subscribers as a wired channel; and

a wired telephone having

an RF receiver incorporated inside the telephone which receives radio signals enabling a wireless signaling channel that is independent from the wired channel,

a decoder to decode the messages included in the radio signals,

a processor to administer instructions included in the messages and other processes in the wired telephone,

a screen to display the messages, without interference from voice and signaling communications transmitted over the wired channel, and

a modem to send and receive messages over the wired channel, wherein the dual signaling channel system receives messages through at least one of the wireless channel and the wired channel, depending on state of the wired channel, service priorities or wireless channel transmission quality.

19. (New) The system in accordance with claim 18, wherein the RF receiver of the dual signaling channel telephone set has a

public address common to the receivers, such that messages are sent simultaneously to the subscribers and a

private address specific to each individual receiver, each message header having a set of characters characteristic thereof, and, if the set of characters are recognized as valid by the dual signaling channel system, the message is accepted.

20. (New) A method for a central platform of a dual signaling channel system , comprising:

34 broadcasting a wireless message in a coded format over a wireless channel having been received from a user's profile database; and

receiving the message and activating a process to modify in a dual signaling channel telephone set a subscriber's profile according to data included in the wireless message addressed to said dual signaling channel telephone set.

21. (New) A method of communication over a dual signaling channel system, comprising:

receiving messages from message generators;

adding a segmentation code in a header of the messages;

broadcasting coded messages over a wireless channel based on the messages generated by the message generators addressed to a public address of RF receivers; and

receiving, via the RF receivers, and decoding the messages when the segmentation code included in the header is part of a subscriber's profile.

22. (New) A method of communication over a dual signaling channel system, comprising:
receiving a wireless alert message from message generators;
broadcasting coded messages over a wireless channel based on the messages generated by the message generators addressed to a public address of RF receivers; and
receiving, via the RF receivers, and decoding the messages in dual signaling channel telephone sets that belong to the system, the decoded messages including a text message and an acoustic and luminous signal.

BP 23. (New) A method of communication over a dual signaling channel system, comprising:
receiving messages with data from message generators;
broadcasting coded messages over a wireless channel based on the messages generated by the message generators during low traffic hours;
receiving messages and storing the messages in a dual signaling channel telephone set; and
broadcasting coded short messages over the wireless channel based on the messages generated by message generators that activated messages during high traffic hours.

24. (New) A method of communication over a dual signaling channel system, comprising:
receiving messages with data from message generators;
broadcasting coded messages over a wireless channel based on the messages generated by the message generators during low traffic hours; and
receiving messages and storing the messages in a dual signaling channel telephone set configured to be activated by a subscriber.

25. (New) A method of communication over a dual signaling channel system, comprising:

broadcasting short wireless messages to administer stored messages in a dual channel telephone set to be exhibited on screen.

26. (New) A method of communication over a dual signaling channel system, comprising:

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broadcasting a wireless message;
receiving the wireless message by a dual signaling channel telephone set; and
generating an automatic call to a predefined number or a number included in the received wireless message to deliver information stored in the dual signaling channel telephone set or to receive new information to update data in the dual signaling channel telephone set.

27. (New) A method of communication over a dual signaling channel system, comprising:

broadcasting a message through a wireless channel;
sending the message via a wired channel; and
receiving the message in a dual signaling channel telephone set to compare the message received through the wireless and wired channels and to permit an error detection.

28. (New) A method of communication over a dual signaling channel system, comprising:

broadcasting a message via a wireless channel; and
receiving the message by a dual signaling channel telephone set and analyzing the message if a Forward Error Correction exceeds a predefined value, wherein
the dual signaling channel telephone set sends, via the wired channel, a short message to request to a central platform to resend the message via the wireless channel.

29. (New) The method of claim 28, further comprising:

receiving a second request to resend a message that was sent via a wireless channel; and
resending the message via the wired channel.

30. (New) A method of communication over a dual signaling channel system,
comprising:

broadcasting a message through a wireless channel;

receiving and decoding the message;

executing instructions included in the message to modify data tables in a dual signaling
channel telephone set; and

generating an automatic call addressed to a central platform to confirm data reception.

31. (New) A method of communication over a dual signaling channel system,
comprising:

broadcasting a wireless message sent by a central platform;

receiving the message by a dual signaling channel telephone set; and

generating a call through a wired channel addressed to the central platform to
acknowledge reception of the message.

32. (New) A method of communication over a dual signaling channel system,
comprising:

editing text messages on a screen using a key pad of a dual signaling channel telephone
set; and

sending text messages through a wired channel to a central platform for subsequent
delivery to dual signaling channel system subscribers.

33. (New) A method of communication over a dual signaling channel system, comprising:

providing a group of dual signaling channel system subscribers based on subscriber profile information stored in a central platform database;

editing text messages on a screen using a dual signaling channel telephone set; and

sending a text message through a wired channel to the central platform for subsequent delivery to each member of the group.

34. (New) A method of communication over a dual signaling channel system comprising:

receiving a message from a dual signaling channel telephone set through the wired channel in a central platform including a text message addressed to other system users;

delivering the message to the addressed user from the central platform; and

broadcasting a wireless message to the dual signaling channel telephone set short message source to confirm delivery of the messages to the addressed user.

35. (New) A method of communication over a dual signaling channel system, comprising:

accessing a central platform database through a network or a telephone line connected to an IVR or an operator;

modifying a user profile; and

broadcasting a wireless message including the modified user profile.